



AFFIDAVIT OF JEANNIE HOLMES

1. I am an employee of Jamak Fabrication, Inc. ("Jamak"), with a principal business address of 1401 North Bowie Drive, Weatherford, TX 76086. I am over the age of twenty-one, am of sound mind and memory, and am otherwise competent to make this Affidavit. I have personal knowledge of the facts set forth in this Affidavit, and each such fact is true and correct.
2. I have been employed by Jamak for four-and-a-half years and currently hold the position of Vice President of Strategic R&D. Prior to working for Jamak, I was employed by Dow Corning Corporation for nine years.
3. I have a Bachelors of Science degree in Chemistry received May 1995 from Tri State University in Angola, Indiana.
4. In total, I have practiced organosilicone chemistry for over fourteen years.
5. During the creation of the silicone bakeware compounds described and claimed in U.S. Patent Application No. 10/685,052 (the "Patent Application"), Jamak conducted testing on several silicone formulations containing varying amounts of polytetrafluoroethylene (PTFE) to determine the effects of PTFE on the baking performance of bakeware.
6. One of our goals in developing the silicone bakeware compounds was to create a bakeware that has excellent food release properties, is easy to manufacture, and is easy to clean.
7. In general, it has been my previous experience that adding PTFE to silicone-based compounds often decreases the coefficient of friction associated with items manufactured from the compound. It has been my previous experience that the downside of adding PTFE to silicone-based compounds is cost related. However, in the case of the compounds tested for use with the silicone bakeware, the addition of amounts of PTFE above those described and claimed in the Patent Application resulted in properties that were less desirable.
8. Among the silicone formulations tested, formulations with amounts of PTFE higher than about 15 weight percent exhibited less favorable food release properties (i.e. the ability of the bakeware to release food). In fact, formulations with PTFE levels above about 15 weight percent actually had worse food release characteristics than formulations in which PTFE was not included. Since PTFE is a substance with a relatively low coefficient of friction, it was an unexpected result to find that the food release properties of the bakeware diminished when the amounts of PTFE were greater than about 15 weight percent.
9. Among the silicone formulations tested, formulations with amounts of PTFE higher than about 15 weight percent exhibited problems with mold release during manufacturing of the bakeware. Since PTFE is a substance with a relatively low coefficient of friction, it was an unexpected result to find that the mold release properties of the bakeware diminished when the amounts of PTFE were greater than about 15 weight percent.
10. Among the silicone formulations tested, formulations with amounts of PTFE higher than about 15 weight percent left greater amounts of food residue, which made cleaning the bakeware more difficult. In fact, with respect to food residue, formulations with PTFE levels above about 15

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weight percent exhibited similar characteristics to formulations that included no PTFE. Since PTFE is a substance with a relatively low coefficient of friction, it was an unexpected result to find that the food residue properties of the bakeware diminished when the amounts of PTFE were greater than about 15 weight percent.


11. The addition of PTFE to the silicone bakeware compound also increased the ability of the bakeware to brown food that was baked in the bakeware.
12. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. §1001.

Further Affiant sayeth not.


JEANNIE HOLMES

STATE OF TEXAS)
)
COUNTY OF Parker)

SWORN TO AND SUBSCRIBED BEFORE ME on this 24 day of April, 2006.


Notary Public in and for the State of Texas
My Commission Expires: 12-7-09

